Archives of Orthopaedic and Trauma Surgery

Volume 110 · 1990/1991

Editor-in-Chief

H. Wagner, Schwarzenbruck/Nürnberg

Co-Editors

G. Hierholzer, Duisburg
H.-G. Willert, Göttingen

Editorial Board

R. Bauer, Innsbruck
M. H. Hackenbroch, Köln
P. Maquet, Aywaille
R. Marti, Amsterdam-Zuidoost
E. Morscher, Basel
M. E. Müller, Bern
A. L. Nachemson, Göteborg
H. Rettig, Gießen
C. A. Rockwood,
San Antonio, Texas
J. Schatzker, Toronto
K. P. Schmit-Neuerburg, Essen
L. Schweiberer, München
H. Tscherne, Hannover
A. N. Witt, Gmund/Tegernsee
B. G. Weber, St. Gallen

Springer International

Archives of Orthopaedic and Trauma Surgery

Founded in 1903 by *J. Riedinger* et al. as Archiv für Orthopädie, Mechanotherapie und Unfallchirurgie.

From Volume 16 "Archiv für orthopädische und Unfall-Chirurgie" edited by *M. Borchardt, K. Kramer, W. Exner, H. Gocht, M. Kirschner, F. König* et al.

From Volume 91 (1978) "Archives of Orthopaedic and Traumatic Surgery, Archiv für orthopädische und Unfall-Chirurgie" edited by *M. A. R. Freeman, G. Hierholzer, F. Linder, P. Maquet, M. E. Müller, H. Rettig, J. Schatzker, H.-G. Willert* and *A. N. Witt.*

Volume 1–15 Wiesbaden, J. F. Bergmann, Volume 16–26 (1928) Berlin, Springer, and Wiesbaden and (from 1920) München, J. F. Bergmann, Volume 27 (1929) to 43 (1944) Berlin, Springer, from Volume 44 (1949) München, J. F. Bergmann.

Copyright

Submission of a manuscript implies: that the work described has not been published before (except in the form of an abstract or as part of a published lecture, review, or thesis); that it is not under consideration for publication elsewhere; that its publication has been approved by all coauthors, if any, as well as by the responsible authorities at the institute where the work has been carried out; that, if and when the manuscript is accepted for publication, the authors agree automatic transfer of the copyright to the publisher and that the manuscript will not be published elsewhere in any language without the consent of the copyright holders.

All articles published in this journal are protected by copyright, which covers the exclusive rights to reproduce and distribute the article (e.g., as offprints), as well as all translation rights. No material published in this journal may be reproduced photographically or stored on microfilm, in electronic data bases, video disks, etc., without first obtaining written permission from the publisher.

The use of general descriptive names, trade names, trademarks, etc., in this publication, even if not specifically identified, does not imply that these names are not protected by the relevant laws and regulations.

While the advice and information in this journal is believed to be true and accurate at the date of its going to press, neither the authors, the editors, nor the publisher can accept any legal responsibility for any errors or omissions that may be made. The publisher makes no warranty, express or implied, with respect to the material contained herein.

Special Regulations for Photocopies in the USA. Photocopies may be made for personal or in-house use beyond the limitations stipulated under Section 107 or 108 of U.S. Copyright Law, provided a fee is paid. This fee is US $ 0.20 per page per copy, plus a basic fee of US $ 2.00 per article. All fees should be paid to the Copyright Clearance Center, Inc., 21 Congress Street, Salem, MA 01970, USA, stating the ISSN 0344-8444, the volume, and the first and last page numbers of each article copied. The copyright owner's consent does not include copying for general distribution, promotion, new works, or resale. In these cases, specific written permission must first be obtained from the publisher.

Printer

Schneider Druck GmbH,
W-8803 Rothenburg ob der Tauber, FRG

© Springer-Verlag, Berlin, Heidelberg 1991

Springer-Verlag GmbH & Co. KG, 1000 Berlin 33, FRG

Printed in Germany

Contents volume 110

Abbreviations in parentheses refer to the following sections: (O) Original article; (CEF) Clinical and experimental forum; (CPC) Current problem cases; (L) Letter to the editor

Adyaman S → Mergen E
Alpar EK, Bilsel N: Meniscus repair (CEF) 112
Arand M → Bauer G

Ballmer FT → Ballmer PM
Ballmer PM, Ballmer FT, Jakob RP: Reconstruction of the anterior cruciate ligament alone in the treatment of a combined instability with complete rupture of the medial collateral ligament. A prospective study (O) 139
Battiston B → Vigasio A
Bauer G, Arand M, Mutschler W: Posttraumatic radioulnar synostosis after forearm fracture osteosynthesis (O) 142
Becker T → Pesch H-J
Benning R → Grimm J
Beyer WF, Heppt P, Glückert K, Willauschus W: Aseptic osteonecrosis of the humeral trochlea (Hegemann's disease) (O) 45
Biedert R: Anterior ankle pain in sports medicine: Aetiology and indications for arthroscopy (CEF) 293
Biersack HJ → Rüther W
Bilsel N → Alpar EK
Bischoff W → Pesch H-J
Blyme PJH, Lind T, Schantz K, Lavard P: Ultrasonographic detection of foreign bodies in soft tissue. A human cadaver study (O) 24
Bockisch A → Rüther W
Böhm r, Yousry T, Kraus B: Role of magnetic resonance imaging in the radiological management of musculoskeletal tumors (O) 127
Bosch U → Kasperczyk WJ
Bowen JR → Keret D
Brandis A → Scheumann GFW
Brunelli G → Vigasio A
Burgers AMJ → Hoelen MA

Calabrese S → Vigasio A
Capousek M → Wozasek GE
Casteleyn PP → Verhaven E
Caterini R → Farsetti P
Cima-Suarez M → Hernàndez-Vaquero D

De Boeck H → Verhaven E
De Filippo G → Vigasio A
Dejong CHC, Luytgaarden WGAC van de, Vroemen JPAM: Bilateral simultaneous rupture of the patellar tendon. Case report and review of the literature (CPC) 222
Demel S → Józsa L
Dupree HW → Raay JJAM van
Dvorak J → Grob D

Egund N → Odenbring S
Elek E → Józsa L
Engel A, Feldner-Busztin H: Bilateral stress fracture of the scaphoid. A case report (CPC) 314
Erdemli B → Mergen E
Erratum 226
Eskola A → Vahvanen V
Etter C, Ganz R: Long-term results of tibial plafond fractures treated with open reduction and internal fixation (O) 277

Farsetti P, Tudisco C, Caterini R, Ippolito E: Juvenile and idiopathic kyphosis. Long-term follow-up of 20 cases (CEF) 165
Feldner-Busztin H → Engel A
Fertschak W → Jantsch S
Fischer M → Krismer M
Fixsen JA → Maffulli N
Fornasier VL → Goodman SB
Fourie PA → Lindeque BGP
Franke J, Grill F, Hein G, Simon M: Correction of clubfoot relapse using Ilizarov's apparatus in children 8–15 years old (O) 33
Franke J → Scheel G
Freling NJM → Hogeboom WR
Friedl W, Glaser F: Dynamic sonography in the diagnosis of ligament and meniscal injuries of the knee (O) 132
Frischhut B → Krismer M
Froehlich M → Grob D
Futami T → Suzuki S

Galante J → Kienapfel H
Ganel A → Velkes S
Ganz R → Etter C
Garcia-Pravia C → Hernàndez-Vaquero D
Glaser F → Friedl W
Glückert K → Beyer WF
Goodman SB, Fornasier VL, Kei J: Quantitative comparison of the histological effects of particulate polymethylmethacrylate versus polyethylene in the rabbit tibia (O) 123
Grau P → Scheel G
Greiss ME, Williams DH: Macrodystrophia lipomatosis in the foot. A case report and review of the literature (CPC) 220
Grill F → Franke J
Grimm J, Higer HP, Benning R, Meairs S: MRI of transient osteoporosis of the hip (O) 98
Grob D, Dvorak J, Gschwend N, Froehlich M: Posterior occipito-cervical fusion in rheumatoid arthritis (O) 38
Grünert J → Rieger H
Gschwend N → Grob D
Gupta BD → Sanjay BKS
Gupta RP → Mohan V

Haentjens P → Verhaven E
Hagen C von, Hierholzer G: Back school for patients with vertebral fractures (O) 273
Hagstedt B → Odenbring S
Haller H → Wozasek GE

Harcke HT → Keret D
Hein G → Franke J
Heitzmann P → Rüther W
Heppt P → Beyer WF
Hernàndez-Vaquero D, Cima-Suarez M, Garcia-Pravia C: Chondrosarcoma of the bones of the hand. Report of two cases (CPC) 265
Hierholzer G → Hagen C von
Higer HP → Grimm J
Hoekstra HJ → Hogeboom WR
Hoelen MA, Burgers AMJ, Rozing PM: Prognosis of primary anterior shoulder dislocation in young adults (CEF) 51
Hogeboom WR, Hoekstra HJ, Mooyaart EL, Freling NJM, Schraffordt-Koops H: MRI and CT in the preoperative evaluation of soft-tissue tumors (CEF) 162
Holch M → Scheumann GFW
Horn V, Vlach O, Messner P: Enthesopathy in the vertebral disc region (O) 187
Hotze A → Rüther W
Howard CB → Liberman N

Inoue G: Lateral band release for posttraumatic extension contracture of the proximal interphalangeal joint (CEF) 298
Ippolito E → Farsetti P
Isiklar U → Mergen E
Itokazu M, Yamane T, Shoen S: Incomplete avulsion of the femoral attachment of the posterior cruciate ligament with an osteochondral fragment in a twelve-year-old boy (CPC) 55
Iwasaki R → Suzuki S

Jakob RP → Ballmer PM
Jantsch S, Schwägerl W, Zenz P, Semlitsch M, Fertschak W: Long-term results after implantation of McKee-Farrar total hip prostheses (O) 230
Jeanneret B, Magerl F, Ward JC: Overdistraction: a hazard of skull traction in the management of acute injuries of the cervical spine (O) 242
Jha KN → Pandey S
Józsa L, Renner A: Tumors and tumor-like lesions arising in tendons. A clinicopathological study of 75 cases (O) 83
Józsa L, Réffy A, Kannus P, Demel S, Elek E: Pathological alterations in human tendons (O) 15

Kadoya M → Tsuchiya H
Kannus P → Józsa L
Kasahara K → Suzuki S
Kasperczyk WJ, Bosch U, Oestern H-J, Tscherne H: Influence of immobilization on autograft healing in the knee joint. A preliminary study in a sheep knee PCL model (CEF) 158
Katz T → Liberman N
Kei J → Goodman SB
Keret D, Harcke HT, Bowen JR: Tibia valga after fracture: Documentation of mechanism (CPC) 216

Kienapfel H, Martell J, Rosenberg A, Galante J: Cementless Gustilo-Kyle and BIAS total hip arthroplasty: 2- to 5-year results (O) 179
Kinnunen J → Ylinen P
Klar M → Krismer M
Klein W → Rieger H
Klestil T → Krismer M
Kobayashi S, Takei T: Venous air embolism during knee arthrography. A case report (CPC) 311
Kobori M → Mikawa Y
Kon M → Voort JH van der
Konttinen YT → Santavirta S
Kraus B → Böhm P
Krismer M, Fischer M, Klestil T, Frischhut B: Uncoated polyethylene RM acetabular component versus Müller cemented acetabular component. A 4- to 8-year follow-up study (O) 195
Krismer M, Klar M, Klestil T, Frischhut B: Aseptic loosening of straight- and curved-stem Müller femoral prostheses (O) 190
Krödel A, Stürz H, Siebert CH: Indications for and results of operative treatment of spondylitis and spondylodiscitis (O) 78
Krueger-Franke M, Siebert CH: Sports-related two-plane fractures of the distal tibia. Report of two cases (CPC) 316

Laasonen EM → Ylinen P
Laidler L → Sanado L
Lamminen A → Ylinen P
Larsson J → Odenbring S
Lavard P → Blyme PJH
Liberman N, Katz T, Howard CB, Nyska M: Fixation of capitellar fractures with the Herbert screw (CEF) 155
Lind T → Blyme PJH
Lindeque BGP, Simson IW, Fourie PA: Bizarre parosteal osteochondromatous proliferation of a phalanx (CPC) 58
Lindstrand A → Odenbring S
Lintner F → Wanivenhaus A
Löer F → Michel R
Lokiec F → Velkes S
Luytgaarden WGAC van de → Dejong CHC

Maffulli N, Fixsen JA: Pseudoarthrosis of the ulna in neurofibromatosis. A report of four cases (CPC) 204
Magerl F → Jeanneret B
Malkin C → Tauber C
Marklund T → Mohan V
Martell J → Kienapfel H
Meairs S → Grimm J
Mergen E, Adyaman S, Ömeroglu H, Erdemli B, Isiklar U: Medial approach open reduction for congenital dislocation of the hip using the Ferguson procedure. A review of 31 hips (CEF) 169
Messner P → Horn V
Michel R, Nolte M, Reich M, Löer F: Systemic effects of implanted prostheses made of cobalt-chromium alloys (O) 61
Mikawa Y, Kobori M: Stress fracture of the first rib in a weightlifter (CPC) 121
Missaghi-Schinzl M → Wanivenhaus A
Mjöberg B: J. Wilson-MacDonald and E. Morscher: Comparison between straight- and curved-stem Müller femoral prostheses. 5- to 10-year results of 545 total hip replacements [Arch Orthop Trauma Surg (1989) 109:14–20] (L) 178
Möller F → Rüther W
Mohan V, Sabri T, Marklund T, Sayed M, Gupta RP: Clinicoradiological diagnosis of benign osteoblastoma of the spine in children (CPC) 260
Mooyaart EL → Hogeboom WR
Moser K-D → Wozasek GE
Mutschler W → Bauer G

Nagi ON → Sanjay BKS
Nakamura K, Ooi Y: Modification of the Wagner lengthener to permit dynamic axial loading (CEF) 49
Nerlich ML → Scheumann GFW
Netz P, Olsson E, Ringertz H, Stark A: Functional restitution after lower leg fractures. A long-term follow-up (O) 238
Noff D → Tauber C
Noff M → Tauber C
Nolte M → Michel R
Nordström D → Santavirta S
Nyska M → Liberman N

Odenbring S, Egund N, Hagstedt B, Larsson J, Lindstrand A, Toksvig-Larsen S: Ten-year results of tibial osteotomy for medial gonarthrosis. The influence of overcorrection (O) 103
Ömeroglu H → Mergen E
Oestern H-J → Kasperczyk WJ
Olsson E → Netz P
Ooi Y → Nakamura K
Opdecam P → Verhaven E
Ostertag H → Scheumann GFW

Pandey AK → Pandey S
Pandey AK, Pandey S, Pandey P: Results of partial patellectomy (O) 246
Pandey P → Pandey AK
Pandey S, Jha KN, Pandey AK, Prasad V: Further experiences of Küntscher's nailing for tibial shaft fractures (O) 227
Pandey S → Pandey AK
Peltonen J → Vahvanen V
Pennig D → Rieger H
Pesch H-J, Becker T, Bischoff W, Seibold H: "Physiological osteoporosis" and "osteoblast insufficiency" in old age. Comparative radiological-morphometric and statistical studies on the spongy bone of lumbar and cervical vertebral bodies (O) 1
Pitaru S → Tauber C
Polo M → Sanado L
Prasad V → Pandey S

Raay JJAM van, Raaymakers ELFB, Dupree HW: Knee ligament injuries combined with ipsilateral tibial and femoral diaphyseal fractures: The "floating knee" (O) 75
Raaymakers ELFB → Raay JJAM van
Raekallio M → Ylinen P
Rahfoth B → Scheel G
Réffy A → Józsa L
Reich M → Michel R
Renner A → Józsa L
Rieger H, Pennig D, Klein W, Grünert J: Traumatic dislocation of the hip in young children (CEF) 114
Ringertz H → Netz P
Rokkanen P → Santavirta S
Rokkanen P → Ylinen P
Rosenberg A → Kienapfel H
Rozing PM → Hoelen MA
Rüther W, Hotze A, Möller F, Bockisch A, Heitzmann P, Biersack HJ: Diagnosis of bone and joint infection by leucocyte scintigraphy. A comparative study with ^{99m}Tc-HMPAO-labelled leucocytes, ^{99m}Tc-labelled antigranulocyte antibodies and ^{99m}Tc-labelled nanocolloid (O) 26
Ruiz JL → Sanado L

Sabri T → Mohan V
Sanado L, Ruiz JL, Laidler L, Polo M: Femoral intraosseous neurilemoma (CPC) 212
Sanjay BKS, Nagi ON, Gupta BD: Giant cell tumour of the proximal end of the ulna (CPC) 208
Santavirta S, Nordström D, Ylinen P, Konttinen YT, Silvennoinen T, Rokkanen P: Biocompatibility of hydroxyapatite-coated hip prostheses (CEF) 288
Saraf SK, Tuli SM: Anomalous M. palmaris longus producing carpal tunnel-like syndrome (CPC) 173
Sayed M → Mohan V
Schantz K → Blyme PJH
Scheel G, Rahfoth B, Franke J, Grau P: Acceleration of wound healing by local application of fibronectin (O) 284
Scheumann GFW, Holch M, Nerlich ML, Brandis A, Ostertag H, Tscherne H: Pathological fractures and lytic bone lesion of the femoral neck associated with β_2-microglobulin amyloid deposition in long-term dialysis patients (O) 93
Schmidt J: Operative procedure using the improved osteosynthesis technique for intertrochanteric osteotomies. Preliminary report (CEF) 257
Schraffordt-Koops H → Hogeboom WR
Schwägerl W → Jantsch S
Schwarz Lausten G: Osteonecrosis of the femoral head during pregnancy (CPC) 214
Seibold H → Pesch H-J
Semlitsch M → Jantsch S
Shih C-H → Wu C-C
Shoen S → Itokazu M
Siebert CH → Krödel A
Siebert CH → Krueger-Franke M
Silvennoinen T → Santavirta S
Sim E: Intramedullary wiring for tibial shaft fractures in children before epiphyseal closure. Indications and technique – experience of 36 patients (O) 87
Simon M → Franke J
Simson IW → Lindeque BGP
Stark A → Netz P
Stürz H → Krödel A
Suzuki S, Kasahara K, Futami T, Iwasaki R, Ueo T, Yamamuro T: Ultrasound diagnosis of pathology of the anterior and

posterior cruciate ligaments of the knee joint (CEF) 200

Takagi Y → Tsuchiya H
Takei T → Kobayashi S
Tauber C, Noff M, Noff D, Pitaru S, Malkin C: Blood levels of vitamin D metabolites in gonarthrosis (CEF) 109
Törmälä P → Ylinen P
Toksvig-Larsen S → Odenbring S
Tomita K → Tsuchiya H
Tscherne H → Kasperczyk WJ
Tscherne H → Scheumann GFW
Tsuchiya H, Tomita K, Yasutake H, Takagi Y, Ueda Y, Kadoya M: Maffucci's syndrome combined with dedifferentiated chondrosarcoma (CPC) 269
Tudisco C → Farsetti P
Tuli SM → Saraf SK

Ueda Y → Tsuchiya H
Ueo T → Suzuki S

Vahvanen V, Eskola A, Peltonen J: Results of elbow synovectomy in rheumatoid arthritis (O) 151
Vainionpää S → Ylinen P
Velkes S, Lokiec F, Ganel A: Traumatic bilateral anterior dislocation of the shoulders. A case report in a geriatric patient (CPC) 210
Verhaven E, Haentjens P, Casteleyn PP, De Boeck H, Opdecam P: Nonunion of a comminuted intra-articular wrist fracture after external fixation. A case report and review of the literature (CPC) 118
Vigasio A, Battiston B, De Filippo G, Brunelli G, Calabrese S: Compartmental syndrome due to viper bite (CPC) 175
Vlach O → Horn V
Voort JH van der, Kon M: Chronic painful sesamoids of the thumb (O) 22
Vroemen JPAM → Dejong CHC

Wanivenhaus A, Lintner F, Wurnig C, Missaghi-Schinzl M: Long-term reaction of the osseous bed around silicone implants (O) 146
Ward JC → Jeanneret B
Willauschus W → Beyer WF
Williams DH → Greiss ME
Wozasek GE, Moser K-D, Haller H, Capousek M: Trauma involving the proximal tibial epiphysis (CEF) 301
Wu C-C, Shih C-H: Biomechanical analysis of the dynamic hip screw in the treatment of intertrochanteric fractures (CEF) 307
Wurnig C → Wanivenhaus A

Yamamuro T → Suzuki S
Yamane T → Itokazu M
Yasutake H → Tsuchiya H
Ylinen P, Kinnunen J, Laasonen EM, Lamminen A, Vainionpää S, Raekallio M, Rokkanen P, Törmälä P: Lumbar spine interbody fusion with reinforced hydroxyapatite implants (CEF) 250
Ylinen P → Santavirta S
Yousry T → Böhm P

Zenz P → Jantsch S

Indexed in *Current Contents*